

To: Gouger, Timothy P NWO (First Responder)[Timothy.P.Gouger@usace.army.mil]; Peronard, Paul[Peronard.Paul@epa.gov]; Roberts, Kris D.[kroberts@nd.gov]; Lindquist, Todd J NWO[Todd.J.Lindquist@usace.army.mil]
Cc: Harlon, William D III NWO[William.D.Harlon@usace.army.mil]; Buechler, Casey R NWO[Casey.R.Buechler@usace.army.mil]; Spooner, Wade D NWO[Wade.D.Spooner@usace.army.mil]; Keller, Jeffrey E NWO[Jeffrey.E.Keller@usace.army.mil]; Jeff LaRock[jlarock@cteh.com]
From: Gouger, Timothy P NWO (First Responder)
Sent: Sat 8/9/2014 8:25:26 PM
Subject: RE: Feedback: 1. Current Sediment Sampling Plan 2. Future Sediment Characterization 3. ND Course of Action (UNCLASSIFIED)
[106460_red_river_runoff_20140723.pdf](#)

Classification: UNCLASSIFIED

Caveats: NONE

Guys

Map showing post fire activities (photograph spliced from day 2 and 3) are attached. Few points of consideration in pic:

1. Earthen dam constructed around storm water inlets
2. Frac tanks removing surface water from storm water inlets and stored water areas on red river property
3. Earthen dams constructed in little muddy channel
4. Sample locations will be identified on a map similar to this for reference purpose. Helps link sample locations to on-site fire suppression releases.

Regards

Timothy P. Gouger, PE
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-----Original Message-----

From: Gouger, Timothy P NWO (First Responder)
Sent: Saturday, August 09, 2014 11:10 AM
To: 'Peronard, Paul'; Roberts, Kris D.; Lindquist, Todd J NWO
Cc: Harlon, William D III NWO; Buechler, Casey R NWO; Spooner, Wade D NWO; Keller, Jeffrey E NWO; 'Jeff LaRock'
Subject: Feedback: 1. Current Sediment Sampling Plan 2. Future Sediment Characterization 3. ND Course of Action (UNCLASSIFIED)

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Paul, kris, and Todd,

1. After review of the latest submitted version of the sampling plan that addresses sediments (see attached), there is much consistency between the plan and the current approach, which includes the following:

- a. Collect composite samples on Red River property where runoff pooled from the fire suppression activities
- b. Collect composite samples from two storm water inlets, if sediment is available for testing, because these inlets may have received surface water discharge from fire suppression (a earthen berm was constructed around them to prevent flow into them during fire suppression).
- c. Collect composite sample from drainage ditch along most southern building as this ditch received surface drainage during fire suppression.
- d. Collect composite sample from culvert in southeastern corner of property as this culvert discharged fire suppression water to the creek.
- e. Run analytical parameters described in the sampling plan, which are the same as the analysis performed to date.
- f. After constituents of concern are identified from the analysis, address sediment sampling needs, as this will better link the chemical of concern released in the fire to sediment impacts related to the fire.

2. Paul, I understand from our conversations, that US EPA has the ability to perform robust sediment characterization in the relief well channel and possibly in the surrounding areas (e.g. creek channel upstream from Williston WWTP through pump station and creek channel upstream from Corps owned property). Please confirm that we that this can be done and what action items from USACE to accomplish as much.

3. Kris, I understand that, after characterization, an assessment will be made of impacts. If action is warranted, the State of North Dakota will work with industry and other jurisdictions to address concerns for corrective action. Please confirm.

Regards

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